

Docket No. AUS920030469US1

**CLAIMS:**

What is claimed is:

- 5 1. A method in a device driver for handling a failure of a primary adapter in a data processing system, the method comprising:
  - monitoring the primary adapter for the failure; and
  - responsive to detecting the failure, switching to a
- 10 standby adapter handled by the device driver.
2. The method of claim 1, wherein the failure is an occurrence of at least one of a network problem and a port problem.
- 15 3. The method of claim 1, wherein the primary adapter is on a first port and the standby adapter is on a second port and wherein the switching step comprises:
  - switching from the first port to the second port to
- 20 switch to the standby adapter.
4. The method of claim 3, wherein the first port is assigned an active media access control address prior to a switch from the primary adapter to the standby adapter
- 25 and wherein the switch from the first port to the second port is made by assigning the second port to an active media access control address.

Docket No. AUS920030469US1

5. The method of claim 3 further comprising:  
initiating a soft reset of the first port.

6. The method of claim 1, wherein the primary adapter  
5 is a network adapter.

7. The method of claim 1, wherein the primary adapter  
is a graphics adapter.

10 8. A data processing system for handling a failure of a  
primary adapter in a data processing system, the data  
processing system comprising:

monitoring means for monitoring the primary adapter  
for the failure; and

15 switching means for switching to a standby adapter  
handled by the device driver responsive to detecting the  
failure.

9. The data processing system of claim 8, wherein the  
20 failure is an occurrence of at least one of a network  
problem and a port problem.

10. The data processing system of claim 8, wherein the  
primary adapter is on a first port and the standby  
25 adapter is on a second port and wherein the switching  
means comprises:

means for switching from the first port to the  
second port to switch to the standby adapter.

Docket No. AUS920030469US1

11. The data processing system of claim 10, wherein the first port is assigned an active media access control address prior to a switch from the primary adapter to the standby adapter and wherein the switch from the first  
5 port to the second port is made by assigning the second port to an active media access control address.

12. The data processing system of claim 10 further comprising:  
10 initiating means for initiating a soft reset of the first port.

13. The data processing system of claim 8, wherein the primary adapter is a network adapter.

15 14. The data processing system of claim 8, wherein the primary adapter is a graphics adapter.

15. A computer program product in a computer readable  
20 medium for handling a failure of a primary adapter in a data processing system, the computer program product comprising:

first instructions for monitoring the primary adapter for the failure; and  
25 second instructions for switching to a standby adapter handled by the device driver responsive to detecting the failure.

Docket No. AUS920030469US1

16. The computer program product of claim 15, wherein the failure is an occurrence of at least one of a network problem and a port problem.

5 17. The computer program product of claim 15, wherein the primary adapter is on a first port and the standby adapter is on a second port and wherein the second instructions comprise:

sub-instructions for switching from the first port  
10 to the second port to switch to the standby adapter.

18. The computer program product of claim 17, wherein the first port is assigned an active media access control address prior to a switch from the primary adapter to the  
15 standby adapter and wherein the switch from the first port to the second port is made by assigning the second port to an active media access control address.

19. The computer program product of claim 17 further  
20 comprising:

fourth instructions for initiating a soft reset of the first port.

20. The computer program product of claim 15, wherein  
25 the primary adapter is a network adapter.

21. The computer program product of claim 15, wherein the primary adapter is a graphics adapter.

Docket No. AUS920030469US1

22. A server data processing for obtaining cultural context information from a client, the server data processing system comprising:

- a bus system;
  - 5 a communications unit connected to the bus system;
  - a memory connected to the bus system, wherein the memory includes a set of instructions; and
  - a processing unit connected to the bus system,
- 10 wherein the processing unit executes instructions for a device driver to monitor the primary adapter for the failure and, switch to a standby adapter handled by the device driver in response to detecting the failure.